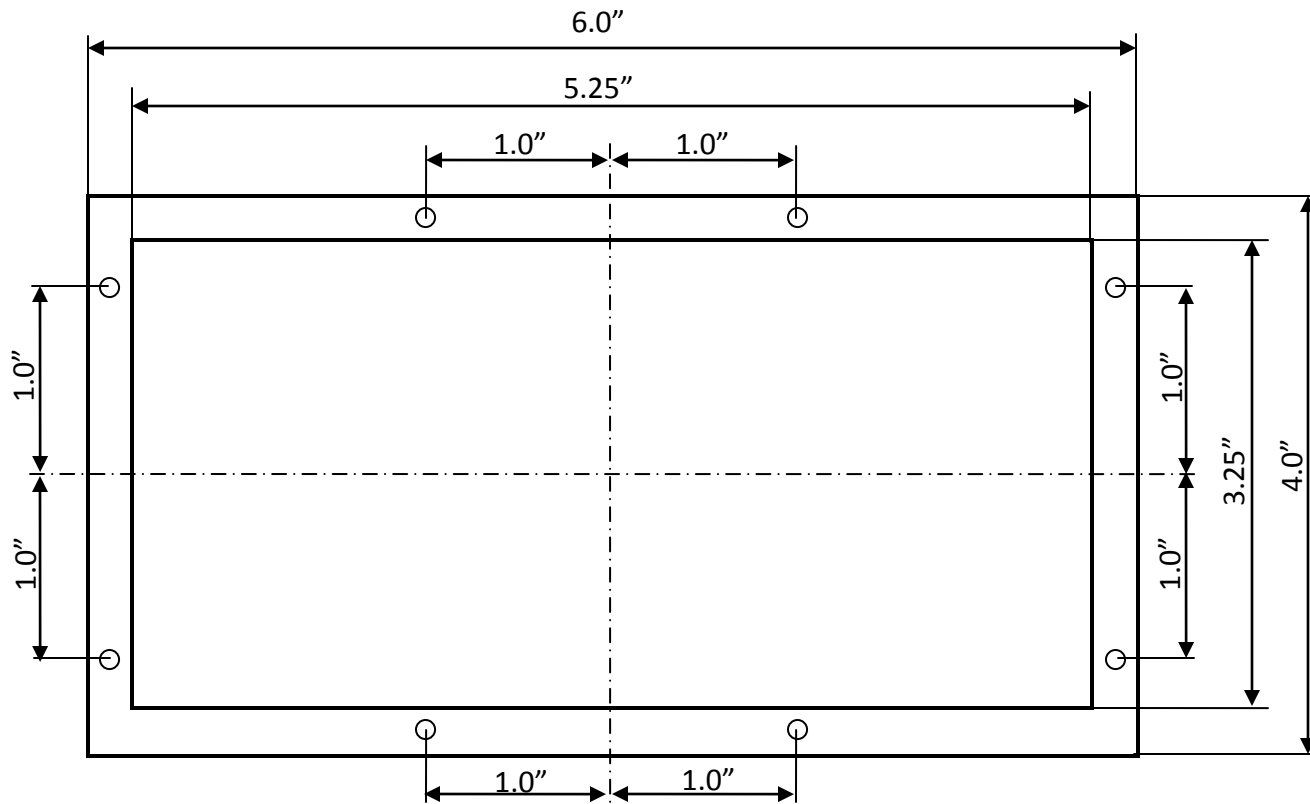
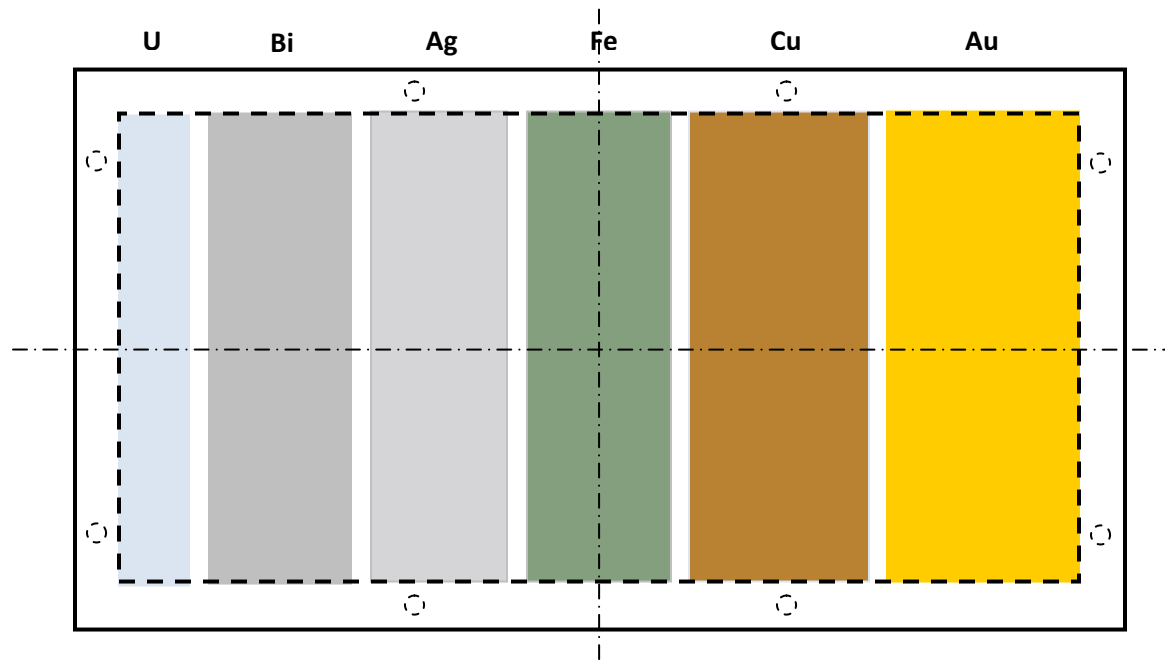







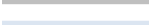
Target Frame: Made of 1/16" Thick Aluminum Plate

8 clear holes for 2-56 screw



Target Foil Strip Layout (Final Design, April 16, 2009)



- | | | |
|---|-------------------|--|
|  | Au strip: | One strip, 2.65 cm wide, 0.4 μ m thick |
|  | Cu strip: | One strip, 2.50 cm wide, 0.8 μ m thick |
|  | Fe strip: | One strip, 2.00 cm wide, 0.8 μ m thick |
|  | Ag strip: | One strip, 1.90 cm wide, 0.8 μ m thick |
|  | Bi strip: | One strip, 2.00 cm wide, 0.4 μ m thick |
|  | U strip: | One strip, 1.00 cm wide, 0.1 μ m thick |
| | Gaps: | 2.5 mm gap in between two different type of strips |
| | Base foil: | 1 μ m thick aluminized Mylar flattened and mounted on the target frame |

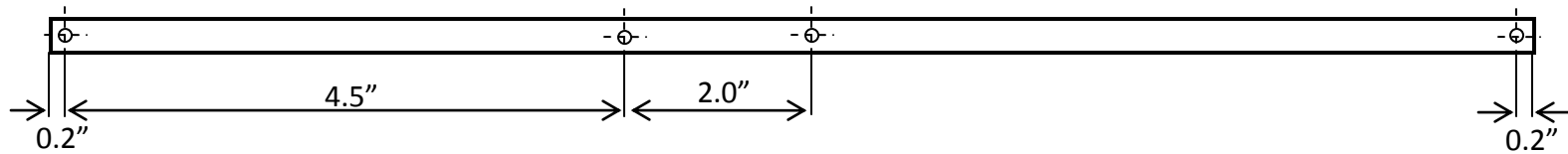
Insulating and Target Holder Plates

1. Work to be done on the existing Al plates:

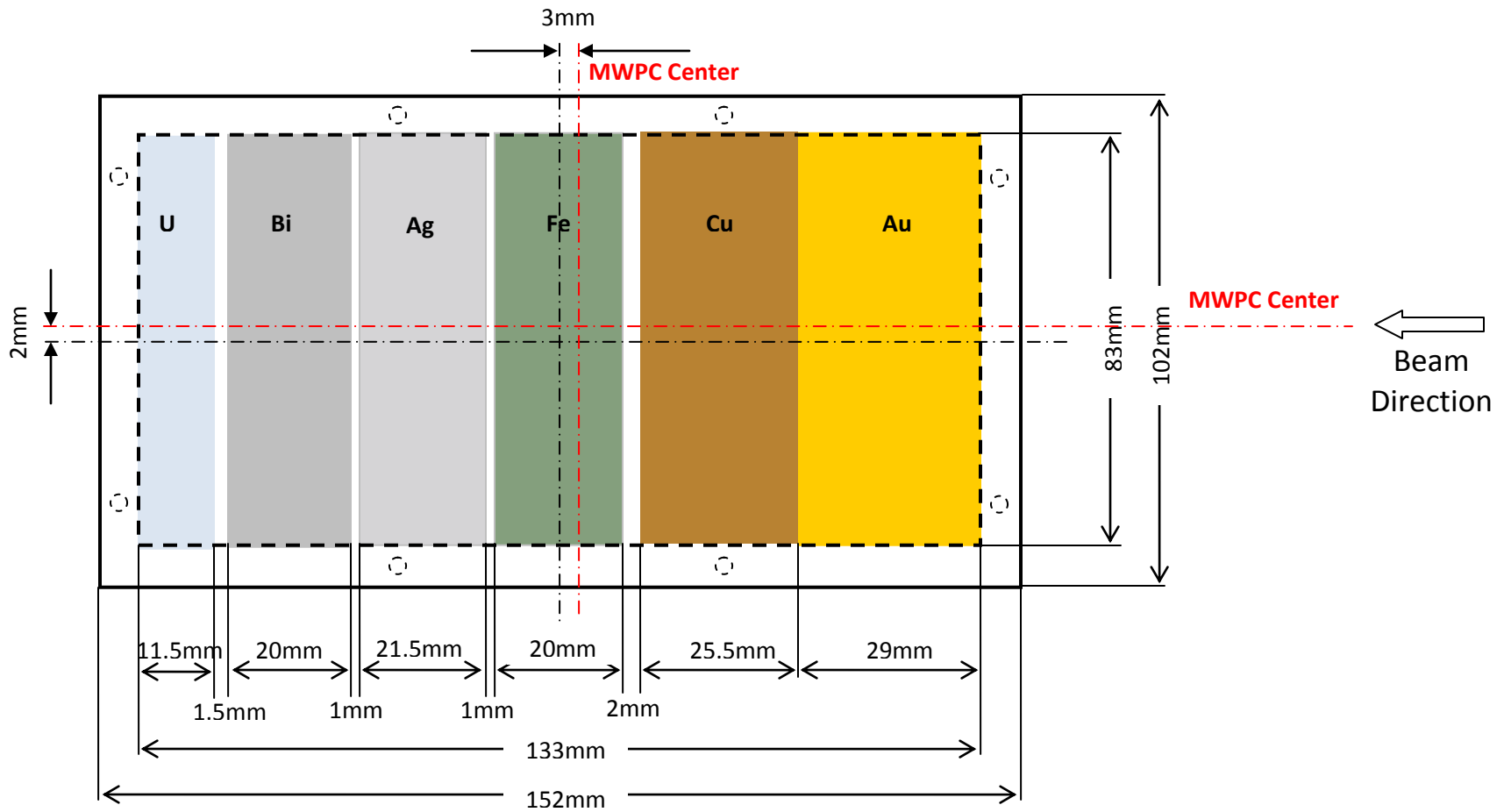
a. Plate 1: Make an enlarged rectangular opening as marked on the plate; and Drill or punch four clear holes at the location as marked.

b. Plate 2: Make an enlarged rectangular opening as marked on the plate, same as Plate 1.

2. Make **Two** Strips, 12.5" x 0.4", sheared from a 1/16" thick Aluminum sheet; and drill or punch **Four** clear holes for 6-32 screws.



Actual Target Foil (Completed on May 19, 2009)



The drawing is for illustration of the measured dimensions only. Do not attempt to measure the drawings by a ruler and scale.







	Au strip:	~0.4 μ m thick
	Cu strip:	~0.8 μ m thick
	Fe strip:	~0.8 μ m thick
	Ag strip:	~0.8 μ m thick
	Bi strip:	~0.4 μ m thick
	U strip:	~0.003 μ m thick
Base foil: 2 μ m thick aluminized Mylar		
Charge Isolation foil: 2 μ m thick aluminized Mylar		

Illustration of Target Foil Mounting with New Charge Isolation Screen Plates

This unit is inserted in between the two inner MWPC's.
There is an offset ($\Delta x, \Delta y, \Delta z$) between the MWPC system and the target foil geometry.

